

首页 > 科研信息 > 科研成果

科研信息

▸ 科研项目

▸ 学术活动

▸ 科研成果

获奖成果

类别	等级	成果编号	成果名称	主要完成人	年度
教育部自然科学奖	二等奖	2009-054	土地利用/覆盖变化及其生态响应机制	史培军,李晓兵,江源,王静爱,何春阳,陈晋,宫鹏,李小雁,潘耀忠,李京,陈云浩,邱国玉,于德永,朱文泉	2009
教育部自然科学奖	一等奖	2009-007	生物多样性维持机制及与生态系统功能的关系	张大勇,林魁,张全国	2009
北京市自然科学奖	二等奖	2006基-2-005	近地表风沙活动规律研究	史培军、邹学勇、刘连友、哈斯、严平、张春来	2006
国家自然科学奖	二等奖	2005-z-104-2-06-r02	黄土丘陵沟壑区土地利用与土壤侵蚀	傅伯杰、刘宝元	2005

论文专著

论文(专著)名称	期刊(出版社)名称	年、卷、期、页	作者	收录类别
Extension of the growing season due to delayed autumn over mid and high latitudes in North America during 1982 - 2006	Global Ecology and Biogeography	2012, 21(2): 260-271	Zhu WQ, Tian HQ, Xu XF, Pan YZ, Chen GS, Lin WP	SCI收录
A changing-weight filter method for reconstructing a high-quality NDVI time series to preserve the integrity of vegetation phenology	IEEE Transactions on Geoscience and Remote Sensing	2012, 50(4): 1085-1094	Zhu WQ, Pan YZ, He H, Wang LL, Mou MJ, Liu JH	SCI收录
Mapping cropland distributions using a hard and soft classification model	IEEE Transactions on Geoscience and Remote Sensing	2012, 50(11): 4301-4312	Pan YZ, Hu TG, Zhu XF, Zhang JS, Wang XD	SCI收录
No evolutionary shift in the mating system of North American <i>Ambrosia artemisiifolia</i> (Asteraceae) following its introduction to China	PLoS ONE	2012, 7(2): e31935	Li XM, Liao WJ, Lorne M. Wolfe, Zhang DY	SCI收录
The Role of late-acting self-incompatibility and early-acting inbreeding depression in governing female fertility in <i>Monkshood</i> , <i>Aconitum kusnezoffii</i>	PLoS ONE	2012, 7(10): e47034	Hao YQ, Zhao XF, She DY, Xu B, Zhang DY, Liao WJ	SCI收录
Trends in the thermal growing season throughout the Tibetan Plateau during 1960 - 2009	Agricultural and Forest Meteorology	2012, 166 - 167: 201 - 206	Dong MY, Jiang Y, Zheng CT, Zhang DY	SCI收录
Soil respiration in poplar plantations in northern China at different forest ages	Plant and Soil	2012, 360(1-2): 109-122	Gong JR, Ge ZW, An R, Duan QW, You X, Huang YM	SCI收录
Robustness of the aerosol weekly cycle over Southeastern China	Atmospheric Environment	2012, 61: 409-418	Wang WS, Gong DY, Zhou ZY, Guo YX	SCI收录
Homogeneous record of Atlantic hurricane surge threat since 1923	PNAS	2012, 109(48): 19601-19605	Aslak Grinsted, John C. Moore, Svetlana Jevrejeva	SCI收录

Critical assessment of surface incident solar radiation observations collected by SURFRAD, USCRN and AmeriFlux networks from 1995 to 2011	Journal of Geophysical Research	2012, 117: D23105	Wang KC, John Augustine, Robert E. Dickinson	SCI收录
Global Atmospheric Evaporative Demand over Land from 1973 to 2008	Journal of Climate	2012, 25(23): 8353-8361	Wang KC, Robert E. Dickinson, Liang SL	SCI收录
Developed and developing world responsibilities for historical climate change and CO2 mitigation	PNAS	2012, 109(32): 12911-12915	Wei T, Yang SL, John C. Moore etc.	SCI收录
Potential for bias in 21st century semiempirical sea level projections	Journal of Geophysical Research	2012, 117: D20116	S. Jevrejeva, J. C. Moore, A. Grinsted	SCI收录
Systematic variations of cloud top temperature and precipitation rate with aerosols over the global tropics	Atmospheric Chemistry and Physics	2012, 12: 8491-8498	Niu F, Li ZQ	SCI收录
On the applicability of temperature and precipitation data from CMIP3 for China	PLoS ONE	2012, 7(9): e44659	Miao CY, Duan QY, Yang L, Alistair G. L. Borthwick	SCI收录
Inhibition of advanced glycation end product formation by Pu-erh tea ameliorates progression of experimental diabetic nephropathy	Journal of Agricultural and Food Chemistry	2012, 60(16): 4102-4110	Yan SJ, Wang L, Li Z, Zhu DN, Guo SC, Xin WF, Yang YF, Cong X, Ma T, Shen PP, Sheng J, Zhang WS	SCI收录
Are people willing to buy natural disaster insurance in China? Risk awareness, insurance acceptance, and willingness to pay	Risk Analysis	2012, 32(10): 1717-1740	Wang M, Liao C, Yang SN, Zhao WT, Liu M, Shi PJ	SCI收录
Potentiation of the P2X3 ATP receptor by PAR-2 in rat dorsal root ganglia neurons, through protein kinasedependent mechanisms, contributes to inflammatory pain	European Journal of Neuroscience	2012, 36(3): 2293-2301	Wang SL, Dai Y, Kimiko Kobayashi, Zhu WJ, Yoko Kogure, Hiroki Yamanaka, Wan Y, Zhang WS, Koichi Noguchi	SCI收录
Maize residue application reduces negative effects of soil salinity on the growth and reproduction of the earthworm Aporectodea trapezoides, in a soil mesocosm experiment	Soil Biology & Biochemistry	2012, 49: 46-51	Tao J, Gu W, Bryan Griffiths, Liu XJ, Xu YJ, Zhang H	SCI收录
Sea ice desalination under the force of gravity in low temperature environments	Desalination	2012, 295: 11-15	Gu W, Lin YB, Xu YJ, Yuan S, Tao J, Li LT, Liu CY	SCI收录
A review of global terrestrial evapotranspiration: Observation, modeling, climatology, and climatic variability	Reviews of Geophysics	2012, 50: RG2005	Wang KC, Robert E. Dickinson	SCI收录
Contrasting trends of mass and optical properties of aerosols over the Northern Hemisphere from 1992 to 2011	Atmospheric Chemistry and Physics	2012, 12: 9387-9398	Wang KC, R. E. Dickinson, Su L, K. E. Trenberth	SCI收录
Atmospheric impacts on climatic variability of surface incident solar radiation	Atmospheric Chemistry and Physics	2012, 12: 9581-9592	Wang KC, R. E. Dickinson, M. Wild, Liang SL	SCI收录
The effect and correction of aerosol forward scattering on retrieval of aerosol optical depth from Sun photometer measurements	Geophysical Research Letters	2012, 39: L14805	Zhao FS, Tan YB, Li ZQ, Gai CS	SCI收录
Relationship between the radial growth of Picea meyeri and climate along elevations of the Luyashan Mountain in North-Central China	Forest Ecology and Management	2012, 265: 142-149	Zhang WT, Jiang Y, Dong MY, Kang MY, Yang HC	SCI收录
Long-term impacts of aerosols on the vertical development of clouds and precipitation	Nature Geoscience	2011, DOI: 10.1038/NCEO1313	Li ZQ, Niu F, Fan JW, Liu YG, Daniel Rosenfeld,	SCI收录

			Ding YN	
East Asian Studies of Tropospheric Aerosols and their Impact on Regional Climate (EAST - AIRC): An overview	Journal of Geophysical Research	2011, 116: D00K34	Li ZQ, Li C, Chen H, S. - C. Tsay, B. Holben, Huang J, Li B, H. Maring, Qian Y, Shi G, Xia X, Yin Y, Zheng Y, Zhuang G	SCI收录
Earthworms reduce the abundance of nematodes and enchytraeids in a soil mesocosm experiment despite abundant food resources	Soil Science Society of America Journal	2011, 75 (5): 1774-1778	Tao J, Xu YJ, Bryan S. Griffiths, Hu F, Chen XY, Jiao JG, Li HX	SCI收录
Spring Arctic Oscillation-East Asian summer monsoon connection through circulation changes over the western North Pacific	Climate Dynamics	2011, DOI 10.1007/s00382-011-1041-1	Gong DY, Yang J, Kim Seong-Joong, Gao YQ, Guo D, Zhou TJ, Hu M	SCI收录
A soil particle-size distribution dataset for regional land and climate modelling in China	Geoderma	2011, DOI: 10.1016/j.geoderma.2011.01.013	Shangguan W, Dai YJ, Liu BY, Ye AZ, Yuan H	SCI收录
Antagonistic coevolution limits population persistence of a virus in a thermally deteriorating environment	Ecology Letters	2011, 14(3): 282-288	Zhang QG, Angus Buckling	SCI收录
Roles of anomalous Tibetan Plateau warming on the severe 2008 winter storm in central-southern China	Monthly Weather Review	2010, 138(6): 2375-2384	Bao Q, Yang J, Liu YM, Wu GX, Wang B	SCI收录
Biweekly and 21-30-day variations of the subtropical summer monsoon rainfall over the lower reach of the Yangtze River basin	Journal of Climate	2010, 23(5): 1146-1159	Yang J, Wang B, Bao Q	SCI收录
Correction factor to dye-measured flow velocity under varying water and sediment discharges	Journal of Hydrology	2010, 389(1-2): 205-213	Zhang GH, Luo RT, Cao Y, Shen RC, Zhang XC	SCI收录
Sediment transport and soil detachment on steep slopes: I. transport capacity estimation	Soil Science Society of America Journal	2009, 73(4): 1291-1297	Zhang GH, Liu YM, Han YF, Zhang XC	SCI收录
Monitoring the effects of land use and cover changes on net primary production: A case study in China's Yongding River basin	Forest Ecology and Management	2009, 258(12): 2654 - 2665	Wang H, Li XB, Long HL, Gai YQ, Wei DD	SCI收录
How does the conversion of land cover to urban use affect net primary productivity? A case study in Shenzhen City, China	Agricultural and Forest Meteorology	2009, 149(11): 2054 - 2060	Yu DY, Shao HB, Shi PJ, Zhu WQ, Pan YZ	SCI收录
Global pattern of temperature sensitivity of soil heterotrophic respiration (Q10) and its implications for carbon-climate feedback	Journal of Geophysical Research	2009, 114: G02016	Zhou T, Shi PJ, Hui DF, Luo YQ	SCI收录
Demographic trade-offs in a neutral model explain death-rate-abundance-rank relationship	Ecology	2009, 90(1): 31-38	Lin K, Zhang DY, He FL	SCI收录
Sediment transport and soil detachment on steep slopes: II. sediment feedback relationship	Soil Science Society of America Journal	2009, 73(4): 1298-1304	Zhang GH, Liu YM, Han YF, Zhang XC	SCI收录

其他成果

- 实验室主任史培军教授承担了国家减灾委—科技部抗震救灾专家组工作和国家汶川地震专家委员会的工作，并主编出版四本专著和一本综合地图集。
- 牵头组织国家“十二五”防灾减灾规划编写。
- 系统地完成了对南方雨雪冰冻灾害和汶川地震的科技支撑咨询工作，内部编辑了应对这二次巨灾的科技咨询材料。
- 实验室主任史培军教授与 Carlo Jaccger 发起的 IHDP-IRG 国际核心科学计划，成为我国科学家在全球变化科学领域发起和主导的一个重要计划，标志我国在该领域的研究走向国际领先水平。

